

**WHAT IS CLAIMED IS:**

1. A shell for bicycle saddle comprising:
  - a body, made of at least one layer of plastic composite materials (PCM),
  - 5 having at least one opening corresponding to the sitting area of the bicycle saddle; and
  - a shock-absorbing member, made of non plastic composite materials having a hardness lower than that of said body, filling up said at least one opening.
2. The shell for bicycle saddle as claimed in claim 1, wherein said body is
  - 10 made of at least one layer of fiber-reinforced plastic prepreg.
3. The shell for bicycle saddle as claimed in claim 2, wherein the matrix of said fiber-reinforced plastic prepreg is a thermosetting resin.
- 15 4. The shell for bicycle saddle as claimed in claim 1, wherein said shock-absorbing member is made of a thermoplastic material.
5. The shell for bicycle saddle as claimed in claim 4, wherein said shock-absorbing member is made of thermoplastic urethane (TPU).
- 20 6. The shell for bicycle saddle as claimed in claim 1, wherein said shock-absorbing member is made of at least one resin-free fabric sheet.
7. The shell for bicycle saddle as claimed in claim 1, wherein said
  - 25 shock-absorbing member includes an upper layer of thermoplastic urethane, a bottom

layer of thermoplastic urethane, and an intermediate layer of fabric sheet sandwiched in between said upper layer and said bottom layer.

8. The shell for bicycle saddle as claimed in claim 2, wherein said  
5 fiber-reinforced plastic prepreg of said body is a carbon fiber-reinforced plastic  
prepreg.

9. The shell for bicycle saddle as claimed in claim 6, wherein said fabric  
sheet is a carbon-fiber fabric sheet.

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10. The shell for bicycle saddle as claimed in claim 3, wherein said  
thermosetting resin is epoxy resin.

11. The shell for bicycle saddle as claimed in claim 4, wherein said  
15 shock-absorbing member is a thermoplastic film adhered to a top surface of said body.

12. A shell for bicycle saddle having a narrow front end and a wide rear end  
extended from said narrow front end, wherein the shell comprises a body made of at  
least one layer of plastic composite materials (PCM) to form the contour of the shell,  
20 said body having at least one opening corresponding to the sitting area of the bicycle  
saddle, and a shock-absorbing member made of non plastic composite material having  
a hardness lower than that of said body and disposed on a top surface of said body, said  
shock-absorbing member having at least one retainer filling up said at least one  
opening of said body.

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13. The shell for bicycle saddle as claimed in claim 12, wherein said body is made of at least one layer of carbon fiber-reinforced epoxy resin prepreg.

14. The shell for bicycle saddle as claimed in claim 13, wherein said  
5 shock-absorbing member is made of a thermoplastic urethane film adhered to a top surface of said body.